

MATERIAL SAFETY DATA SHEET

Capture® F Tough Stain Remover

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Capture® F Tough Stain Remover
Chemical Family: Mixture packaged in pressurized aerosol can
CAS Number: Blend

Company Identification

Milliken Chemical
P.O. Box 817
1440 Campton Road
Inman, SC 29349 USA
1-864-472-9041 (For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

PRODUCT USE:

Cleaner.

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% Capture® F Tough Stain Remover

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
ISOPROPANOL	10.0 - 15.0 %	67-63-0
2-BUTOXYETHANOL	5.0 - 8.0 %	111-76-2
PROPANE	0.0 - 5.0 %	74-98-6
BUTANE	0.0 - 5.0 %	106-97-8

NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
PROPRIETARY BLEND	72.0 - 80.0 %	Blend

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

As defined under Sara 311 and 312, this product contains materials that are acute, pressure hazards.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May cause eye irritation. Avoid contact with eyes. Avoid inhalation. Inhalation of high concentrations of vapor may be harmful.



Prolonged or repeated contact may irritate the skin and cause a skin rash (dermatitis). Contents under pressure.

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 2
Personal Protection Index - B

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE:

May cause eye irritation.

SKIN:

Prolonged or repeated contact may irritate the skin and cause a skin rash (dermatitis).

INHALATION:

Inhalation of high concentrations of vapor may be harmful.

INGESTION:

May be harmful if swallowed.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash affected area with large amounts of soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Contact a physician.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: 42 (liquid contents) C (107.6 F)
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: %
UEL: %

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder. Use water spray to cool fire exposed containers. Containers can build up pressure if exposed to heat (fire).

FIRE & EXPLOSION HAZARDS:



Containers can build up pressure if exposed to heat (fire).

FIRE FIGHTING INSTRUCTIONS:

Evacuate non-emergency personnel to a safe area. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire exposed containers. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Contain runoff water.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

SPILL PROCEDURE:

Absorb spills with inert material. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

INITIAL CONTAINMENT:

Contain spilled material. Absorb spills with inert material. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wear appropriate personal protective equipment.

STORAGE PRECAUTIONS:

Do not store at temperatures above 49°C. Do not puncture or incinerate containers. Keep out of reach of children. Store in accordance with NFPA 30B for Level 1 Aerosols.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Wear appropriate personal protective equipment. Wear chemical splash goggles.

SKIN PROTECTION REQUIREMENTS:

Wear appropriate personal protective equipment. Wear impervious gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required.

EXPOSURE GUIDELINES:

ISOPROPANOL

Odor Threshold: 43 ppm
Immediate Lethal Dosage: 2000 ppm
OSHA PEL: 400 ppm, 980 mg/m³
OSHA TWA: 400 ppm, 980 mg/m³
ACGIH TWA: 200 ppm
OSHA STEL: 500 ppm
ACGIH STEL: 400 ppm

2-BUTOXYETHANOL

Odor Threshold: 0.10 ppm
Immediate Lethal Dosage: 700 ppm



OSHA PEL: 25 ppm, 120 mg/m³
OSHA TWA: 50 ppm, 240 mg/m³
ACGIH TWA: 25 ppm
Skin Designation: Yes

PROPANE

Odor Threshold: None
Immediate Lethal Dosage: 2100 ppm
OSHA PEL: 1000 ppm, 1800 mg/m³
OSHA TWA: 1000 ppm, 1800 mg/m³
ACGIH TWA: 2500 ppm

BUTANE

Odor Threshold: None
OSHA TWA: 800 ppm, 1900 mg/m³
ACGIH TWA: 800 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Aerosol
COLOR:	Clear
ODOR:	Mild citrus
VAPOR PRESSURE:	65-75 psia
SOLUBILITY IN WATER:	Soluble
SPECIFIC GRAVITY:	0.96-0.98 (Water = 1)
PH:	10.4-10.8
% VOLATILES:	99 %
VOLATILE ORGANIC COMPOUNDS (VOC):	28.1%

10. STABILITY AND REACTIVITY

STABILITY:

This compound is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid temperatures above 49 °C. Keep away from open flames.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING:

The acute oral toxicity (LD50) in rats for this material was determined to be >2000 mg/kg.

Not a primary skin irritant.

12. ECOLOGICAL INFORMATION

No information available.



13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements. Uncleaned empty containers should be disposed of in the same manner as the contents.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:	Capture® F Tough Stain Remover
D.O.T. SHIPPING NAME:	Aerosols, non-flammable
D.O.T. HAZARD CLASS:	2.2
UN NUMBER:	UN 1950
D.O.T. LABEL:	Non-flammable gas

OTHER TRANSPORTATION INFORMATION:

This product may be reclassified as ORM-D when offered for ground transportation with the United States as long as they are packaged in 'strong outside containers'.

15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

Canadian Disclosure List

ISOPROPANOL (67-63-0)
2-BUTOXYETHANOL (111-76-2)
BUTANE (106-97-8)

SARA Title III - Section 313

ISOPROPANOL (67-63-0)

Massachusetts Substance List

ISOPROPANOL (67-63-0)
2-BUTOXYETHANOL (111-76-2)
PROPANE (74-98-6)
BUTANE (106-97-8)

NJ Right to Know List

ISOPROPANOL (67-63-0)
2-BUTOXYETHANOL (111-76-2)
PROPANE (74-98-6)
BUTANE (106-97-8)

PA Hazardous Substance List

ISOPROPANOL (67-63-0)
2-BUTOXYETHANOL (111-76-2)
PROPANE (74-98-6)
BUTANE (106-97-8)

16. OTHER INFORMATION



PREPARED BY: John Bruhnke
APPROVED BY: John Bruhnke
TITLE: Regulatory Specialist
APPROVAL DATE: March 3, 2004
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END OF MSDS

